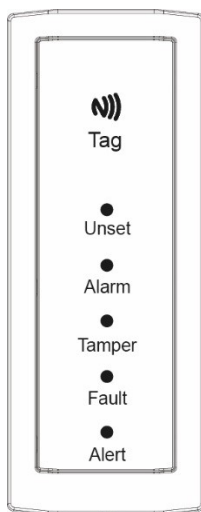




Orisec Internal Prox Reader Installation Manual



**Designed and Manufactured
in the United Kingdom**

www.orisec.co.uk

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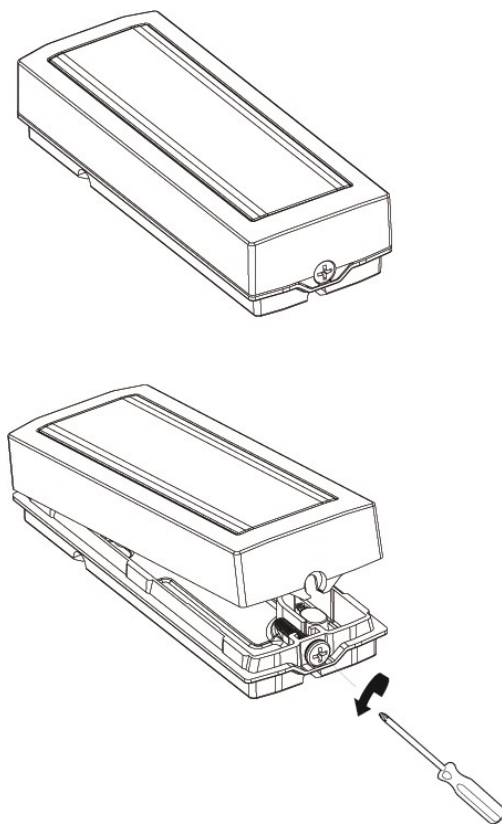
1. Introduction

This manual describes how to install the Internal Prox Reader.

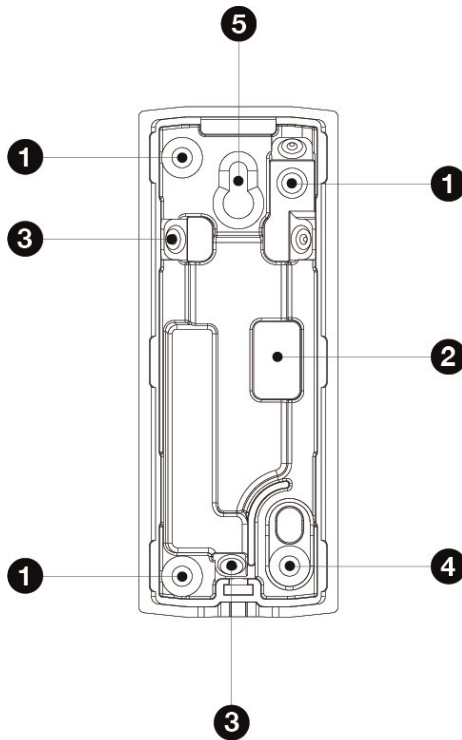
The Internal Prox Reader is compatible with all Orisec control panels of version 2.15 onwards. For detailed programming instructions please see the control panel installation manual.

2. How to open the Internal Prox Reader

Partially loosen the screw on the underside of the Internal Prox Reader and prise open.

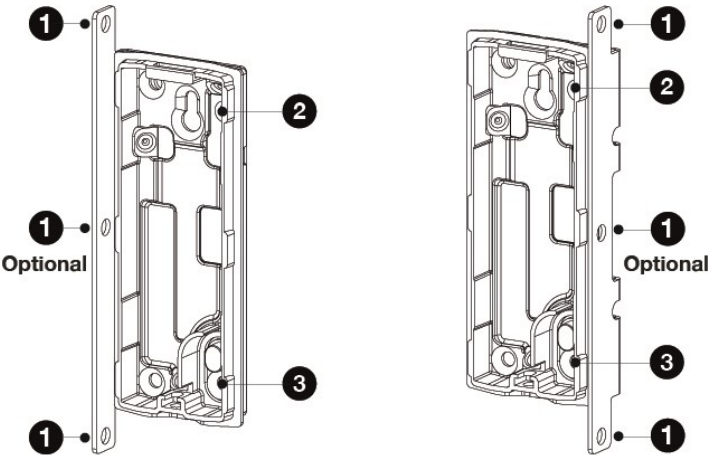


3. Fixing the Internal Prox Reader to a Wall



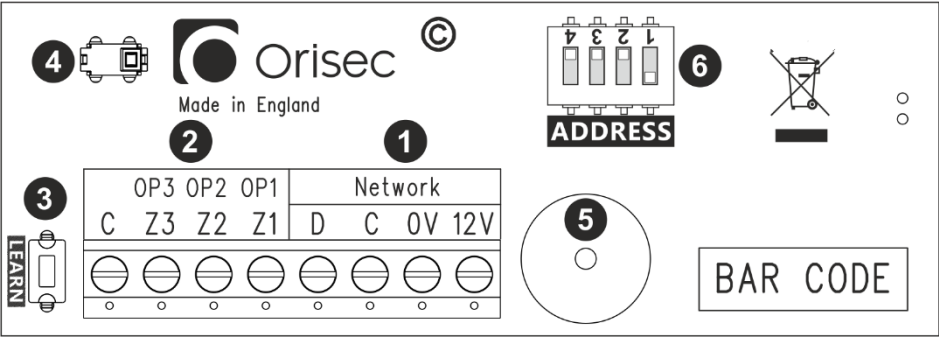
1. Screw mounting holes
2. Cable entry hole
3. Additional cable entry hole
4. Breakaway tamper screw position
5. Keyhole

4. Fixing the Internal Prox Reader to a Bracket



- 1. Side bracket screw locations connections
- 2. Screw mounting hole.
- 3. Breakaway tamper screw position

5. PCB Layout



1. Network Connections

The Internal Prox Reader's network connection.

2. Zone Input or Output Terminals 1-3

These terminals can be independently programmed from the main control panel to be zone inputs for detection devices OR outputs. If using one or more terminals as zone inputs each zone can be independently programmed for type, wiring, areas and options. If using one or more terminals as outputs, each output (rated at 100 mA) can be independently programmed.

3. Learn Button

Reserved for future use.

4. Tamper Switch

The lid and wall tamper switch will signal a tamper condition if the front cover is removed. On Grade 3 installations it will also signal a tamper if the unit is removed from the mounting surface.

5. Piezo Sounder

The piezo sounder generates low level alarm sounds, tag reads, and warning tones. Each type of tone can be enabled or disabled for each Internal Prox Reader.

6. Address DIP Switch

Each keypad and Internal Prox Reader must be assigned a different address using the Address DIP switch. Set the DIP switch to the required position.





Address 6



Address 7



Address 8



Address 9



Address 10

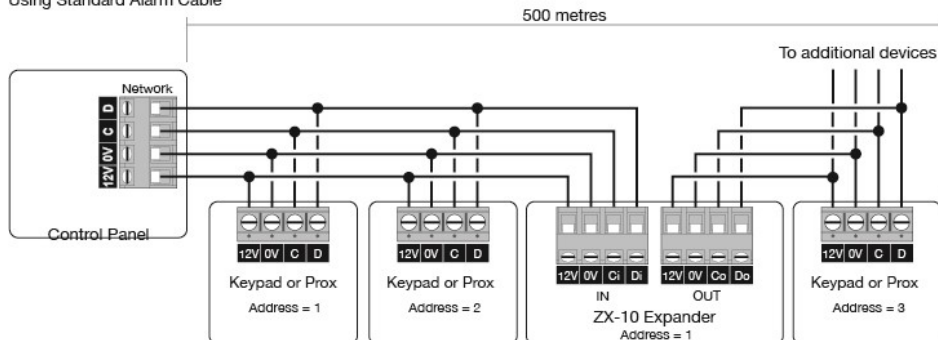
6. Wiring

Network Connections

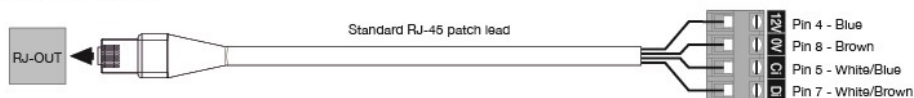
Ensure the system is powered down and the battery is disconnected before wiring the Internal Prox Reader.

The Internal Prox Reader can be networked in a star or daisy chain pattern, or a combination of the two. It can also be connected to the RJ45 connections on both the control panel and on expanders.

Using Standard Alarm Cable



Using RJ-45 Connections

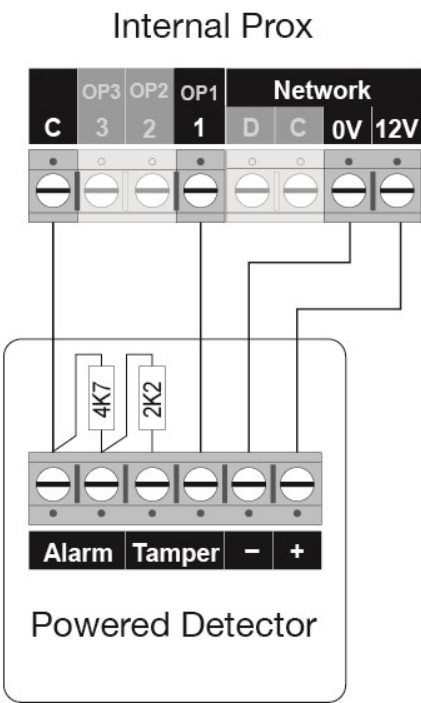


Wiring can be done using any 4-core alarm cables, however it is recommended that 6-core or higher is used to double up the power if required.

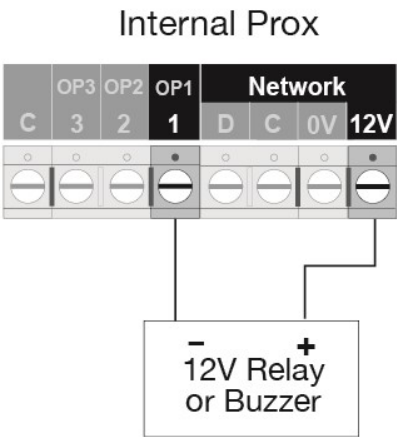
Zone and Output Connections

The keypads have three input/output terminals. They can be used as required and their operation is defined via the control panel's programming menus. Example of wiring types:

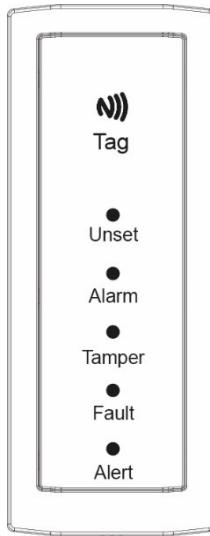
Zone Connections



Output Connections



7. LED indications



- 1) NFC – Present the NFC tag to this location for user control.
- 2) Unset – This LED will illuminate for XX seconds once the system has been disarmed.
- 3) Alarm – This LED will illuminate when the control panel is in an Alarm condition.
- 4) Tamper- This LED will illuminate when the control panel is in an Tamper condition.
- 5) Fault - This LED will illuminate when the control panel is in an Fault condition.
- 6) Alert - This LED will illuminate when the control panel requires attention (engineer resets, recent alarms etc)

8. Wireless Bridge

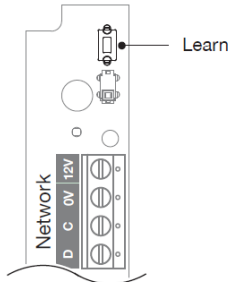
To operate as a Wireless Bridge connect the W-XP-R to the Orisec Internal Prox as shown.

An W-XP or W-XP-R needs to be installed locally at the Control Panel.

The bridge should then be learned on the control panel as follows:

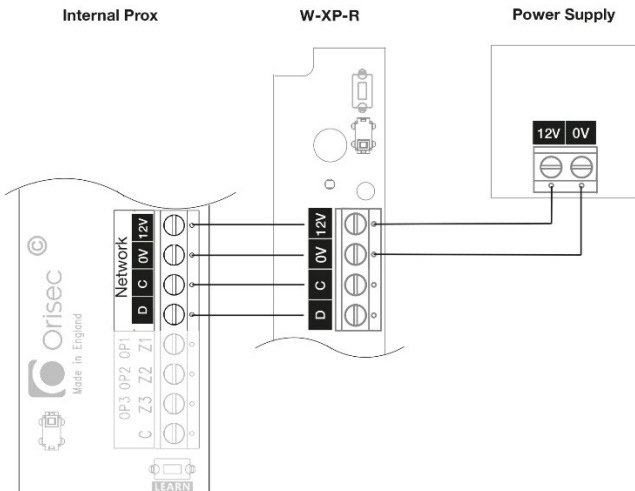
- ▶ Enter engineering mode
- ▶ Select "Setup Wireless Zones"
- ▶ Navigate to an available zone
- ▶ Scroll down to "Learn"
- ▶ Press and hold the "Learn" button on the W-XP-R for 1 second.

NOTE: For tamper monitoring on the W-XP-R program the zone as 'W-KP/Bell/TR'.



Once configured the Internal Prox will be seen in "Confirmed Devices".

Please refer to the W-XP-R Installation Manual for additional information.



9. Specifications

Electrical

Input Voltage:	10 – 15Vdc
Current Consumption:	55mA;
Network:	4-Wire standard 7/0.2mm alarm cable up to 500m
Zone Inputs & Output:	3; Each programmable as zone input or 100mA output
Proximity Reader:	NFC NTAG203

Environmental

Operating Temperature:	-10°C to +55°C
Storage Temperature:	-20°C to +60°C
Max. Humidity:	95% non-condensing
EMC:	Residential, Commercial, Light Industrial & Industrial

Physical

Dimensions (HxDxW):	100mm x 23mm x 39mm
Housing:	2mm (Nominal) Acrylonitrile Styrene Acrylate (ASA)
Packed Weight:	80g



10. Standards

Security

PD 6662:2017

EN 50131-1:2006+A1:2009

EN 50131-3:2009

Grade 3, Class II

EMC

Conforms to European Union (EU) Electro-Magnetic Compatibility (EMC) Directive 2014/30/EU and EN 50130-4:2011+A1:2014

EMC Environment: Residential / Commercial / Light Industrial / Industrial



CE: You can view the product EC Declaration of Conformity here:
www.orisec.co.uk/compliance



WEEE Directive: 2012/19/EU Compliant: This symbol indicates that according to local laws and regulations, this product should not be disposed of as municipal/household waste. Instead, it should be disposed of at the appropriate collection points designated for the recycling of electrical and electronic equipment, or returned to Orisec upon purchase of new replacement products. This will help to conserve natural resources and ensure that it is recycled in a manner that protects human health and the environment.

RoHS

RoHS Directive: 2011/65/EU Compliant:

Orisec declares that this product complies with and conforms to RoHS legislation that it does not contain more than the agreed levels of: Lead (Pb), Cadmium (Cd), Mercury (Hg), Hexavalent chromium (Cr6+), Polybrominated biphenyls (PBB), Polybrominated diphenyl ethers (PBDE)

Manufacturer: Orisec Ltd, 1 St Crispin Way, Haslingden, Lancashire. BB4 4PW. United Kingdom.

Warranty

The Orisec Internal Prox Reader is guaranteed against defects in material or faulty workmanship for a period of 2 years from the date of purchase.

Disclaimer: Orisec will not accept any liability based on a claim that the Orisec Internal Prox Reader failed to perform correctly as it is a component part of an installation and not a complete intruder alarm system.

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